

CLAIMS:

1. A lighting device to produce light of varying colour, said device including:

a body;

5 a lens mounted on the body and generally enclosing a chamber having an upper rim surrounding a top opening, and a bottom region;

a reflector mounted in the bottom region;

a cap assembly including securing means to releasably engage the rim so that the cap assembly can be selectively removed from the lens; said assembly including:

10 a base;

a circuit having at least two lamps of different colours to produce a desired colour including a varying colour, the lamps being mounted to direct light into said chamber, connections for at least one rechargeable battery to power the circuit and a solar cell mounted on an exposed surface of the assembly and operatively associated with the 15 connections to charge the battery, and a switch operated to control delivery of electric power from the battery to operate said circuit, the switch being exposed to provide for access thereto by a user.

2. The light device of claim 1 wherein, said circuit includes a light sensitive switch that renders the circuit operation at low light levels.

20 3. The device of claim 2 wherein, said switch is on an exposed downwardly facing surface.

4. The device of claim 1 wherein, said circuit includes three lamps, each of a different colour.

25 5. The device of claim 1 wherein, said lens is a first lens, and said device includes a second lens, said second lens being attached to said base and providing a cavity into which the LEDs direct light, with the light leaving said second lens then passing through said first lens.

6. The device of claim 5 wherein, the first and second lenses diffuse light.

30 7. The device of claim 6 wherein, said body includes a post having opposite first and second ends, with a spike attached to said first end, and said first lens attached to said second end.

8. The device of claim 7 wherein, said second lens is detachably secured to said post.

9. The lighting device of any one of claims 1 to 8 wherein, said circuit includes a light sub-circuit connected to the lamps to deliver electric power thereto so that the lamps produce said desired colour, with said switch being an on/off switch to deliver electric power from the batteries to said sub-circuit.

5 10. The lighting device of any one of claims 1 wherein, said circuit includes a light sub-circuit having an integrated circuit operable to select a desired fixed colour, with said switch being connected to said integrated circuit and operated to select said desired fixed colour.

10 11. The device of claim 9 wherein, said switch is a first switch, and said sub-circuit includes an integrated circuit and a second switch connected to said integrated circuit, the second switch being operable to select a desired fixed colour and exposed to provide for access thereto by a user.

12. The device of claim 11 wherein, said second switch is on said exposed external surface.

15 13. The device of claim 1 wherein, said switch is on an exposed downwardly facing surface.

14. The device of claim 13 wherein, said circuit includes three lamps, each of a different colour.

15 20 16. The device of claim 14 wherein, said lens is a first lens, and said device includes a second lens, said second lens being attached to said base and providing a cavity into which the LEDs direct light, with the light leaving said second lens then passing through said first lens.

25 17. The lighting device of claim 14 wherein, said circuit includes a light sub-circuit connected to the lamps to deliver electric power thereto so that the lamps produce said desired colour, with said switch being an on/off switch to deliver electric power from the batteries to said sub-circuit.

30 18. The lighting device of claim 14 wherein, said circuit includes a light sub-circuit having an integrated circuit operable to select a desired fixed colour, with said switch being connected to said integrated circuit and operated to select said desired fixed colour.

19. The device of claim 16 wherein, said switch is a first switch, and said sub-circuit includes an integrated circuit and a second switch connected to said integrated circuit, the second switch being operable to select a desired fixed colour and exposed to provide for access thereto by a user.

19. The device of claim 18 wherein, said second switch is on said exposed external surface.

20. A lighting device to produce light of varying colour, said device including:

5 a body;

a lens mounted on the body and generally enclosing a chamber;

a circuit having at least two lamps of different colours to produce a desired colour including a varying colour, the lamps being mounted to direct light into said chamber, connections for at least one rechargeable battery to power the circuit and a solar

10 cell mounted on an exposed surface of the assembly and operatively associated with the connections to charge the battery, and a switch operable to control delivery of electric power from the battery to operate said circuit, the switch being exposed to provide for access thereto by a user.

15 21. The lighting device of claim 20 wherein, said circuit includes a light sensitive switch that renders the circuit operative at low light levels.

22. The lighting device of claim 20 wherein, said circuit includes a light sub-circuit connected to the lamps to deliver electric power thereto so that the lamps produce said desired colour, with said switch being an on/off switch to deliver electric power from the batteries to said sub-circuit.

20 23. The lighting device of claim 20 wherein, said circuit includes a light sub-circuit having an integrated circuit operable to select a desired fixed colour, with said switch being connected to said integrated circuit and operable to select said desired fixed colour.

25 24. The device of claim 20 wherein, said circuit includes a sub-circuit, said switch is a first switch said first switch being an on/off switch to deliver electric power from the battery to said sub-circuit, and said sub-circuit includes an integrated circuit and a second switch connected to said integrated circuit, the second switch being operable to select a desired fixed colour and exposed to provide for access thereto by a user.

30 25. The device of claim 24 wherein, said second switch is on said exposed external surface.

26. The lighting device of claim 21 wherein, said circuit includes a light sub-circuit connected to the lamps to deliver electric power thereto so that the lamps produce said desired colour, with said switch being an on/off switch to deliver electric power from the batteries to said sub-circuit.

27. The lighting device of claim 26 wherein, said circuit includes a light sub-circuit having an integrated circuit operable to select a desired fixed colour, with said switch being connected to said integrated circuit and operable to select said desired fixed colour.

5 28. The device of claim 21 wherein, said circuit includes a sub-circuit, said switch is a first switch said first switch being an on/off switch to deliver electric power from the battery to said sub-circuit, and said sub-circuit includes an integrated circuit and a second switch connected to said integrated circuit, the second switch being operable to select a desired fixed colour and exposed to provide for access thereto by a user.

10 29. The device of claim 28 wherein, said second switch is on said exposed external surface.